

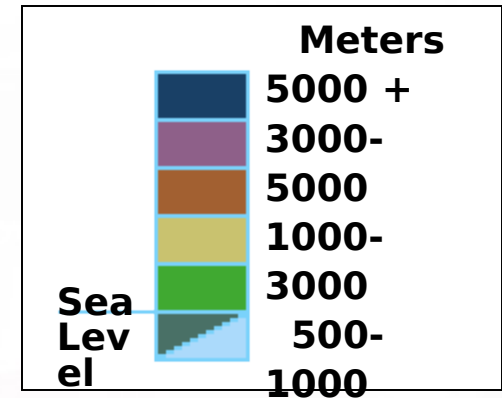
# Chad



# Chad : Environmental Issues

- Topography
- Climate

Climate tropical in south, desert in north



0-500

Depressio

Terrain: broad, arid plains in center, desert in north, mountains in northwest, lowlands in south

*lowest point:* Djourab Depression  
160 m

*highest point:* Emikoussi 3,415 m

# Chad : Environmental Issues

- Air :
  - Low risk
  - Localized air contamination may occur near specific industrial facilities or urban areas
- Soil:
  - Localized to specific areas surrounding industrial facilities and waste disposal sites
  - Significant exposure to contaminants in soil is unlikely in the absence of wind-blown dust, active digging, or migration of contaminants from soil into ground water
  - Usually presents a low risk to human health

# Chad: Environmental Issues

- Food:

- Food may be contaminated with industrial particulates, chemicals from soil, pesticides, fertilizers, and fecal pathogens

- Water:

- Water contaminated with raw sewage
- Agricultural chemicals may contaminate surface and ground water
- Construction of Chad-Cameroon oil pipeline may contribute to water contamination

The background of the slide is a faded, wavy American flag. The stars are visible in the upper left, and the stripes flow across the bottom and right.

# **Chad: Environmental Issues**

- Greatest short-term environmental health risks
  - Water contaminated with raw sewage
  - Runoff containing fecal pathogens



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# Chad: Diseases of Operational Importance

- **Very High Risk** country
- Diseases of greatest risk
  - Food and Waterborne Diseases: Bacterial diarrhea, Hepatitis A, Protozoal diarrhea, and Typhoid/paratyphoid fever
  - Vector-borne Diseases: Malaria
  - Sexually Transmitted Diseases: HIV/AIDS, Hepatitis B
  - Respiratory Diseases: Meningococcal meningitis
  - Water-contact Diseases: Schistosomiasis

# Chad: Diseases of Operational Importance

- Diseases of potential risk
  - Food and waterborne Diseases: Brucellosis, Cholera, Hepatitis E
  - Vector-borne Diseases: Crimean-Congo hemorrhagic fever, Rickettsioses (tickborne, spotted fever group), Chikungunya, Leishmaniasis, Rift Valley fever, Sindbis (Ockelbo) virus, Dengue fever, Yellow Fever, and West Nile fever, and Trypanosomiasis.
  - Sexually Transmitted Diseases: Gonorrhea and Chlamydia.
  - Water-contact Diseases: Leptospirosis
  - Respiratory Diseases: Tuberculosis
  - Animal-contact: Anthrax, Q-Fever, and Rabies